

Amendments to the Abstract:

Please add the following text as the abstract of the application being filed concurrently herewith.

ABSTRACT OF THE DISCLOSURE

The present disclosure provides a cucurbituril derivative-bonded solid substrate in which cucurbituril derivatives of Formula 1 are covalently bonded to a modified solid substrate of Formula 2. The cucurbituril derivative provides functional groups which can be used to link biomaterials to the substrate. Protein chips, gene chips, and sensors for biomaterial assays having the cucurbituril derivative-bonded solid substrate are also provided.